

## ABSTRACT

Silk manufactured from silkworms reared with feed containing a pre-determined quantity of organic or inorganic particles, an aqueous solution of a pre-determined concentration of organic or inorganic particles, or a distillate such as bamboo vinegar, which is mixed in, added  
5 in, sprayed on or coated on artificial silkworm feed or fresh mulberry leaves. Silk manufactured from silkworms reared with feed containing a mixture or addition of a pre-determined quantity of functional particles, an aqueous solution of functional particles of pre-determined concentration, or a distillate such as bamboo vinegar, wherein said functional particles are alumina, silica, titanium oxide, zeolite, fluorite (luminous rock), tourmaline, jade, pigment, dye, temperature-  
10 sensitive pigment, UV-sensitive pigment or any other functional pigments, perfume, charcoal, cholesterol or other inorganic or organic substances.